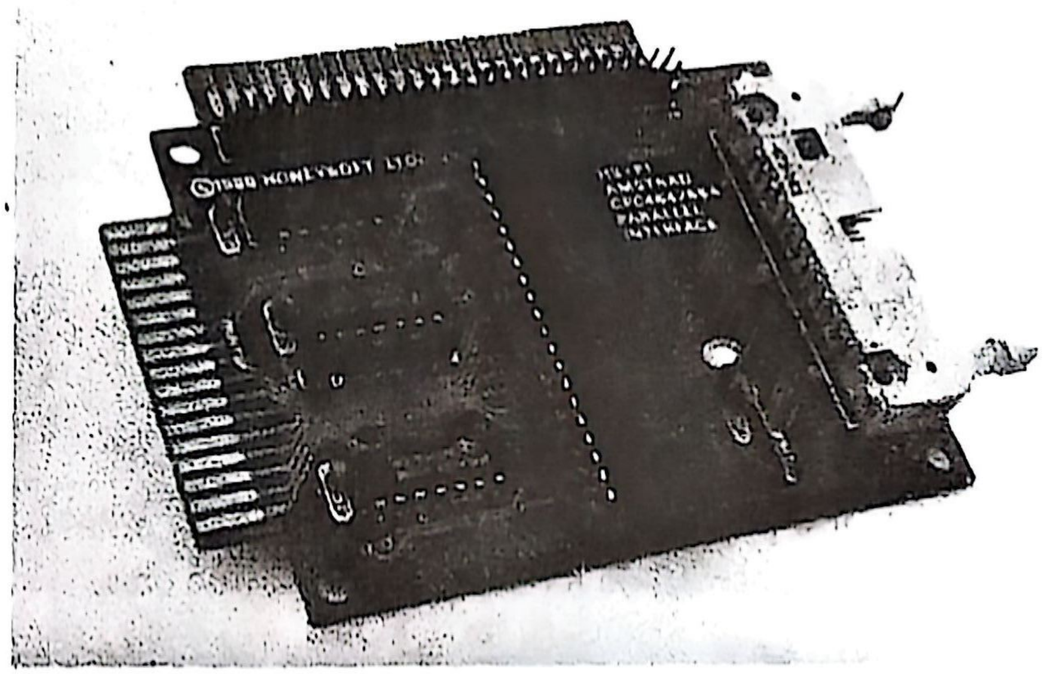
HoneySoft Limited

HS-P1 Parallel and Centronics Expansion Card Data Sheet

The HS-P1 Parallel Card has been designed to allow the user to quickly and simply turn their Amstrad computer into a powerful piece of control equipment, allowing up to a maximum of 16 input or output devices to be individually programmed.

The HS-P1 has two eight bit parallel ports, each of which can be configured individually for input and/or output and which possess their own handshaking lines. All the port connections and handshaking lines as well as the power connections are brought out on an industry standard 26 pin IDC connector. The signal lines are compatible with normal 5V TTL, enabling easy interface to external equipment.



The HS-P1 Parallel Card has the additional feature of an eight bit Centronics port. An 8 bit port is necessary to fully exploit the powerfull graphics facilities available on many printers, but which cannot be correctly driven from the Amstrad printer port, which is only seven data bits wide.

The Centronics port also supports both types of printer handshaking commonly available (BUSY and ACK).

Support software for the card takes the form of a set of additional BASIC commands supplied either on tape, disc or ROM. These allow the user to quickly perform Input/Output operations on the parallel card, without having to program the hardware directly.

BASIC commands supplied with the HS-P1 Parallel Card

Control: |PIO.MODE, |PIO.ERROR, |PIO.DELAY
Single Character Transfer: |PIO.PUT, |PIO.GET
Multiple Character Transfer: |PIO.READ, |PIO.WRITE, |PIO.COUNT
Printer Output: |PIO.PRINT

HS-P1 Technical Specification

Physical

- 80 x 100mm half Eurocard, silk screened PCB
- Uncased
- Through bus for 'daisy chaining' of other expansion cards
- Supplied with ribbon cable connector
- One 26 Way IDC for I/O ports
- 34 Way Edge Connector for printer (compatible with existing Amstrad connector)

Electrical

- Based on Z80A PIO
- Two 8 bits I/O ports
- Separate BUSY and /ACK input lines from printer
- Separate /STROBE output line for printer
- /ACK input must be greater than 10uS (if used)
- Compatible with CPC464, CPC664, CPC6128
- Current consumption: 50 mA

Prices

HS-P1 Parallel Interface..... **£23.95**
BASIC support software supplied on tape.
BASIC support software:
on Disc ..... **£4.00** extra
ROM ..... **£4.00** extra

All prices include postage and 15% VAT

HS-TB1 Disc Drive Through Board for CPC464 with DDI-1

Users of CPC464s who wish to operate the DDI-1 disc interface in conjunction with any of the HS-S1, HS-P1 and HS-RX1 interfaces will also need the HS-TB1. Only one HS-TB1 is required, regardless of the number of other peripherals attached.

Prices

HS-TB1 Through Board:
Purchased with either an HS-S1, HS-P1 or HS-RX1 ..... **£3.99**
Purchased separately..... **£7.99**

All prices include postage and 15% VAT

HoneySoft Limited